

Doc Code:

PTO/SB/82 (01-06)  
Approved for use through 12/31/2008, OMB 0851-0036  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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<b>REVOCATION OF POWER OF ATTORNEY WITH NEW POWER OF ATTORNEY AND CHANGE OF CORRESPONDENCE ADDRESS</b>	Application Number	09/164,568
	Filing Date	October 1, 1998
	First Named Inventor	Randolph J. Noelle
	Art Unit	1644
	Examiner Name	Phillip Gambel
	Attorney Docket Number	012712-572 (DC0392US,C4)

I hereby revoke all previous powers of attorney given in the above-identified application:

☐ A Power of Attorney is submitted herewith.

OR

☒ I hereby appoint the practitioners associated with the Customer Number:

26259

☒ Please change the correspondence address for the above-identified application to:

☒ The address associated with Customer Number:

26259

OR

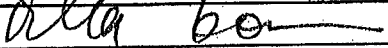
<input type="checkbox"/> Firm or Individual Name				
Address				
City		State		ZIP
Country				
Telephone		Email		

I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71  
Statement under 37CFR 3.73(b) is enclosed. (Form PTO/SB/96)

SIGNATURE of Applicant or Assignee of Record

Signature			
Name	Alla Kan, Director, Technology Transfer Office, Dartmouth College		
Date	12/11/09	Telephone	603-646-3027

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☒ \*Total of 4 forms are submitted.

This collection of information is required by 37 CFR 1.36. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending on the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: Noelle et al/ Trustees of Dartmouth College & University of Massachusetts Medical CtrApplication No./Patent No.: 09/164,568Filed/Issue Date: October 1, 1998Titled: **METHODS FOR INDUCING ANTIGEN-SPECIFIC T CELL TOLERANCE**Trustees of Dartmouth College, a body corporate/politic of the state of New Hampshire

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☐ the assignee of the entire right, title, and interest in;
2. ☐ an assignee of less than the entire right, title and interest in  
(The extent (by percentage) of its ownership interest is \_\_\_\_\_ %); or
3. ☐ the assignee of an undivided interest in the entirety of (a complete assignment from one of the joint inventors was made)  
the patent application/patent identified above by virtue of either:

- A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy therefore is attached.

OR

- B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: Randolph J. Noelle To: Trustees of Dartmouth College  
The document was recorded in the United States Patent and Trademark Office at  
Reel 007117, Frame 0046, or for which a copy thereof is attached.
2. From: Elena H. Durie To: Trustees of Dartmouth College  
The document was recorded in the United States Patent and Trademark Office at  
Reel 007112, Frame 0383, or for which a copy thereof is attached.
3. From: Teresa M. Foy To: Trustees of Dartmouth College  
The document was recorded in the United States Patent and Trademark Office at  
Reel 007150, Frame 0874, or for which a copy thereof is attached.

☒ Additional documents in the chain of title are listed on a supplemental sheet(s).

- ☒ As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Alla Kan

Signature

12/9/09

Date

Alla Kan

Printed or Typed Name

603-646-3027

Telephone number

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1460, Alexandria, VA 22313-1460. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1460, Alexandria, VA 22313-1460.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Application No.: 09/164,568  
Filing Date: October 1, 1998

Additional chain of title from the inventors to the current assignee as follows:

4. From: David C. Parker To: Massachusetts Medical Center, University of

The document was recorded in the United States Patent and Trademark Office at

Reel: 009352, Frame: 0306, or for which a copy thereof is attached.



**UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office**

ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

DATE: 09/22/94  
TO:

N04C

AMY E. MANDRAGOURAS  
LAHIVE & COCKFIELD  
60 STATE STREET  
BOSTON, MA 02109

**UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT**

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT BRANCH OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE U.S. PATENT AND TRADEMARK OFFICE ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT ASSIGNMENT PROCESSING SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT BRANCH, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231

ASSIGNOR:  
NOELLE, RANDOLPH J.

DOC DATE: 08/18/94

RECORDATION DATE: 08/26/94    NUMBER OF PAGES 003    REEL/FRAME 7117/0046

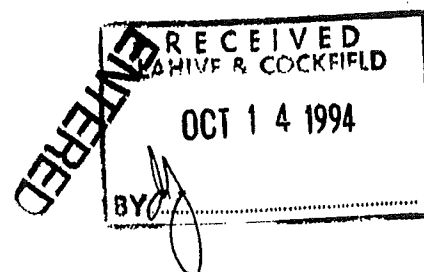
DIGEST: ASSIGNMENT OF ASSIGNORS INTEREST

ASSIGNEE:  
TRUSTEES OF DARTMOUTH COLLEGE  
HANOVER, NH 03755

SERIAL NUMBER    8-232929    FILING DATE    04/25/94  
PATENT NUMBER                         ISSUE DATE    00/00/00

*L. Stevenson*  
EXAMINER/PARALEGAL

ASSIGNMENT BRANCH  
ASSIGNMENT/CERTIFICATION SERVICES DIVISION



40-581

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FORM PTO-1595

(Rev. 6-93)

OMB No. 0651-0011 (exp. 4/94)

# RECORDATION FORM COVER SHEET PATENTS ONLY

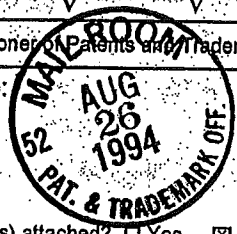
U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

Tab settings ⇄⇄⇄▽

Attorney Docket No. DCI-078CPV

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):  
Randolph J. Noelle  
Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No



2. Name and address of receiving party(ies)  
Name: Trustees of Dartmouth College  
Internal Address:  
Street Address:  
City: Hanover State: NH  
ZIP: 03755  
Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance  
☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other  
Execution Date: August 18, 1994

4. Application number(s) or patent number(s):  
If this document is being filed together with a new application, the execution date of the application is:  
A. Patent Application No.(s)  
08/232,929

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:  
Name: Amy E. Mandragouras  
Internal Address: LAHIVE & COCKFIELD  
Street Address: 60 State Street  
City: Boston State: MA ZIP: 02109

6. Total number of applications and patents involved: 1  
7. Total fee (37 CFR 3.41).....\$40.00  
☒ Enclosed  
☐ Authorized to be charged to deposit account  
8. Deposit account number:  
12-0080 91854847  
(Attach duplicate copy of this page if paying by deposit account)

9. Statement and signature.  
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.  
Amy E. Mandragouras  
Name of Person Signing  
Signature  
August 24, 1994  
Date  
Total number of pages including cover sheet, attachments, and document: 3K6

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents and Trademarks, Box Assignments  
Washington, D.C. 20231

## ASSIGNMENT

We, Randolph J. Noelle of Cornish, New Hampshire, Teresa M. Foy of Lebanon, New Hampshire, and Fiona H. Durie of Lebanon, New Hampshire, in consideration of One Dollar and other valuable consideration paid to us by

## Trustees of Dartmouth College

a corporation of New Hampshire, having its principal place of business at Hanover, New Hampshire 03755, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

## Trustees of Dartmouth College

its successors and assigns, the entire interest for the United States of America and all foreign countries including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in

## METHODS FOR INDUCING ANTIGEN-SPECIFIC T CELL TOLERANCE

described in an application

\_\_\_\_\_executed by us of even date herewith and about to be filed

X Serial No. 08/232,929, filed on April 25, 1994

in the United States Patent and Trademark Office, and in all Letters Patent of the United States and all foreign countries which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuing, reissue or other applications based in whole or in part thereon. And we agree, for ourselves and our executors and administrators, with said corporation and its successors and assigns but at its or their expense and charges, hereafter to execute all applications, amended specifications, deed or other instrument, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to said corporation, with specifications and claims in such form as shall be approved by the counsel of said corporation and to vest and confirm in said corporation, its successors and assigns, the legal title to all such patents.

And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

WITNESS my hand and seal this 18 day of Aug, 1994.

By:

Randolph J. Noelle

State of )  
County of )ss

Then personally appeared the above named Randolph J. Noelle and acknowledged the foregoing instrument to be his/her free act and deed, before me, this 18 day of Aug, 1994.

Notary Public

My commission expires: 0  
DERWOOD J. LENZ, Notary Public

WITNESS my hand and seal this 18 day of Aug., 1994.

By: Teresa M. Foy

Teresa M. Foy

State of )

)ss

County of )

Then personally appeared the above named Teresa M. Foy and acknowledged the foregoing instrument to be his/her free act and deed, before me, this \_\_\_\_ day of \_\_\_\_\_, 1994.

\_\_\_\_\_  
Notary Public

My commission expires: \_\_\_\_\_

7117

REEL

WITNESS my hand and seal this \_\_\_\_ day of \_\_\_\_\_, 1994.

By: \_\_\_\_\_

Fiona H. Durie

0048

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State of )

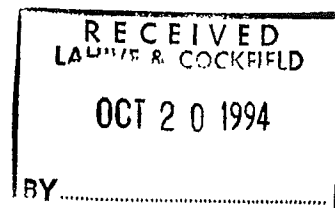
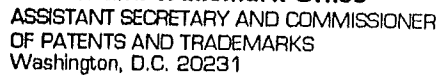
)ss

County of )

Then personally appeared the above named Fiona H. Durie and acknowledged the foregoing instrument to be his/her free act and deed, before me, this \_\_\_\_ day of \_\_\_\_\_, 1994.

\_\_\_\_\_  
Notary Public

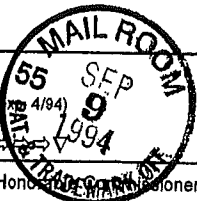
My commission expires: \_\_\_\_\_





40.10/581-1

FORM PTO-1595  
(Rev. 6-93)  
OMB No. 0851-0011 (Rev. 4/94)



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U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

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Attorney Docket No. DCI-078CPV

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Fiona H. Durie

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: August 25, 1994

2. Name and address of receiving party(ies)

Name: Trustees of Dartmouth College

Internal Address: \_\_\_\_\_

Street Address \_\_\_\_\_

City: Hanover

State: NH

ZIP: 03755

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)  
08/232,929

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Amy E. Mandragouras

Internal Address: LAHIVE & COCKFIELD

Street Address: 60 State Street

City: Boston State: MA ZIP: 02109

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$40.00

☒ Enclosed

☐ Authorized to be charged to deposit account

8. Deposit account number:

12-0080

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Amy E. Mandragouras  
Name of Person Signing

[Signature]  
Signature

September 7, 1994  
Date

Total number of pages including cover sheet, attachments, and document: 3

Mail documents to be recorded with required cover sheet information to:  
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Washington, D.C. 20231

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FILED  
SEP 7 1994  
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**ASSIGNMENT**

We, Randolph J. Noelle of Cornish, New Hampshire, Teresa M. Foy of Lebanon, New Hampshire, and Fiona H. Durie of Lebanon, New Hampshire, in consideration of One Dollar and other valuable consideration paid to us by

**Trustees of Dartmouth College**

a corporation of New Hampshire, having its principal place of business at Hanover, New Hampshire 03755, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

**Trustees of Dartmouth College**

its successors and assigns, the entire interest for the United States of America and all foreign countries including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in

**METHODS FOR INDUCING ANTIGEN-SPECIFIC T CELL TOLERANCE**

described in an application

\_\_\_\_ executed by us of even date herewith and about to be filed

X Serial No. 08/232,929, filed on April 25, 1994

in the United States Patent and Trademark Office, and in all Letters Patent of the United States and all foreign countries which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuing, reissue or other applications based in whole or in part thereon. And we agree, for ourselves and our executors and administrators, with said corporation and its successors and assigns but at its or their expense and charges, hereafter to execute all applications, amended specifications, deed or other instrument, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to said corporation, with specifications and claims in such form as shall be approved by the counsel of said corporation and to vest and confirm in said corporation, its successors and assigns, the legal title to all such patents.

And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

WITNESS my hand and seal this \_\_\_\_\_ day of \_\_\_\_\_, 1994.

By: \_\_\_\_\_  
Randolph J. Noelle

State of )  
                  )ss  
County of )

Then personally appeared the above named Randolph J. Noelle and acknowledged the foregoing instrument to be his/her free act and deed, before me, this \_\_\_\_\_ day of \_\_\_\_\_, 1994.

\_\_\_\_\_  
Notary Public  
My commission expires: \_\_\_\_\_

REEL 7112 FRAME 384

WITNESS my hand and seal this \_\_\_\_\_ day of \_\_\_\_\_, 1994.

By: \_\_\_\_\_  
Teresa M. Foy

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ )ss  
\_\_\_\_\_ )

Then personally appeared the above named Teresa M. Foy and acknowledged the foregoing instrument to be his/her free act and deed, before me, this \_\_\_\_\_ day of \_\_\_\_\_, 1994.

\_\_\_\_\_  
Notary Public

My commission expires: \_\_\_\_\_

WITNESS my hand and seal this 25<sup>th</sup> day of Aug, 1994.

By: Fiona H. Durie  
Fiona H. Durie

State of WASH. )  
County of KING )ss  
\_\_\_\_\_ )

Then personally appeared the above named Fiona H. Durie and acknowledged the foregoing instrument to be his/her free act and deed, before me, this 25<sup>th</sup> day of August, 1994.

Jane M. Jule  
Notary Public Jane M. Jule

My commission expires: 1/15/97

REEL 7112 FRAME 385



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

DATE: 10/24/94  
TO:

N08C

AMY E. MANDRAGOURAS  
LAHIVE & COCKFIELD  
60 STATE STREET  
BOSTON, MA 02109

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT BRANCH OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE U.S. PATENT AND TRADEMARK OFFICE ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT ASSIGNMENT PROCESSING SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT BRANCH, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231

ASSIGNOR:

FOY, TERESA M.

DOC DATE: 09/06/94

RECORDATION DATE: 09/30/94 NUMBER OF PAGES 003 REEL/FRAME 7150/0874

DIGEST : ASSIGNMENT OF ASSIGNORS INTEREST

ASSIGNEE:

TRUSTEES OF DARTMOUTH COLLEGE  
HANOVER, NH 03755

SERIAL NUMBER 8-232929

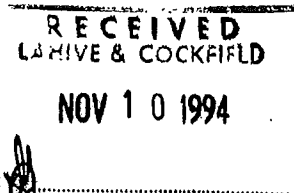
FILING DATE 04/25/94

PATENT NUMBER

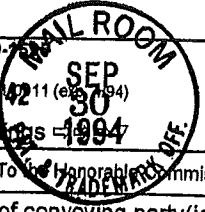
ISSUE DATE 00/00/00

*[Signature]*  
EXAMINER/PARALEGAL  
ASSIGNMENT BRANCH  
ASSIGNMENT/CERTIFICATION SERVICES DIVISION

ENTERED



FORM PTO-750  
(Rev. 8-93)  
OMB No. 0654-0111 (08-1994)



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U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

Attorney Docket No. DCI-078CPV

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

(1) Name of conveying party(ies):

Teresa M. Foy

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

(3) Nature of conveyance

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other

Execution Date: September 6, 1994

(2) Name and address of receiving party(ies)

Name: Trustees of Dartmouth College

Internal Address:

Street Address

City: Hanover

ZIP: 03755

Additional name(s) & address(es) attached? ☐ Yes ☒ No

(4) Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is

A. Patent Application No.(s)  
08/232,929

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

(5) Name and address of party to whom correspondence concerning document should be mailed:

Name: Amy E. Mandragouras

Internal Address: LAHIVE & COCKFIELD

Street Address: 60 State Street

City: Boston State: MA ZIP: 02109

(6) Total number of applications and patents involved: 1

(7) Total fee (37 CFR 3.41)..... \$40.00

☒ Enclosed

☐ Authorized to be charged to deposit account

8. Deposit account number:

12-0080

(Attach duplicate copy of this page if paying by deposit account)

(9) Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Amy E. Mandragouras  
Name of Person Signing

Signature

September 28, 1994  
Date

Total number of pages including cover sheet, attachments, and document: 3

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents and Trademarks, Box Assignments  
Washington, D.C. 20231

050 MH 10/12/94 08232929

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91860400

**ASSIGNMENT**

We, Randolph J. Noelle of Cornish, New Hampshire, Teresa M. Foy of Lebanon, New Hampshire, and Fiona H. Durie of Lebanon, New Hampshire, in consideration of One Dollar and other valuable consideration paid to us by

**Trustees of Dartmouth College**

a corporation of New Hampshire, having its principal place of business at Hanover, New Hampshire 03755, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

**Trustees of Dartmouth College**

its successors and assigns, the entire interest for the United States of America and all foreign countries including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in

**METHODS FOR INDUCING ANTIGEN-SPECIFIC T CELL TOLERANCE**

described in an application

\_\_\_\_ executed by us of even date herewith and about to be filed

X Serial No. 08/232,929, filed on April 25, 1994

in the United States Patent and Trademark Office, and in all Letters Patent of the United States and all foreign countries which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuing, reissue or other applications based in whole or in part thereon. And we agree, for ourselves and our executors and administrators, with said corporation and its successors and assigns but at its or their expense and charges, hereafter to execute all applications, amended specifications, deed or other instrument, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to said corporation, with specifications and claims in such form as shall be approved by the counsel of said corporation and to vest and confirm in said corporation, its successors and assigns, the legal title to all such patents.

And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

WITNESS my hand and seal this 6<sup>TH</sup> day of Sept, 1994.

By: *Randolph J. Noelle*  
Randolph J. Noelle

State of New Hampshire)  
County of Grafton)

Then personally appeared the above named Randolph J. Noelle and acknowledged the foregoing instrument to be his/her free act and deed, before me, this 6<sup>TH</sup> day of September, 1994.

*Phyllis A. Gardner*  
Notary Public  
My commission expires: NOTARY PUBLIC

MY COMMISSION EXPIRES MARCH 27, 1996

REEL 7150 FRAME 875

WITNESS my hand and seal this 6 day of Sept., 1994.

By: Teresa M. Foy  
Teresa M. Foy

State of New Hampshire )  
County of Grafton )ss

Then personally appeared the above named Teresa M. Foy and acknowledged the foregoing instrument to be his/her free act and deed, before me, this 6<sup>th</sup> day of September, 1994.

Phyllis A. Gardner  
Notary Public

My commission expires: \_\_\_\_\_

PHYLLIS A. GARDNER  
NOTARY PUBLIC  
MY COMMISSION EXPIRES MARCH 27, 1996

WITNESS my hand and seal this \_\_\_\_\_ day of \_\_\_\_\_, 1994.

By: \_\_\_\_\_  
Fiona H. Durie

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ )ss

Then personally appeared the above named Fiona H. Durie and acknowledged the foregoing instrument to be his/her free act and deed, before me, this \_\_\_\_\_ day of \_\_\_\_\_, 1994.

\_\_\_\_\_  
Notary Public

My commission expires: \_\_\_\_\_

SEP 30 94

RECORDED  
PATENT AND TRADEMARK  
OFFICE

REEL 1150 FRAME 876